

ABSTRACT

Described herein are a molecular memory obtained using DNA strand molecular switches and carbon nanotubes, and a manufacturing method thereof. In particular,
5 the nonvolatile memory is manufactured according to an architecture that envisages the use of carbon nanotubes as electrical connectors and DNA strands as physical means on which to write the information. In other words, the nonvolatile memory is made by means of a set of molecular DNA strand switches, the addressing of which is controlled by molecular wires made up of carbon nanotubes.

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